

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Date:

Subject: **Thiamethoxam.** REVISED Occupational and Residential Exposure and Risk Assessment for the Existing Uses of Thiamethoxam for Registration Review

PC Code: 060109

Decision No.: 528261

Petition No.: NA

Risk Assessment Type: Occupational/Residential Exposure Assessment

TXR No.: NA

MRID No.: NA

DP Barcode: D441143

Regulatory Action: Registration Review

Case No.: 7614

CAS No.: 153719-23-4

40 CFR: §180.565

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Introduction

The Health Effects Division (HED) of the Office of Pesticide Programs (OPP) is charged with estimating the risk to human health from exposure to pesticides. As part of Registration Review, the Pesticide Re-evaluation Division (PRD) of OPP has requested that HED conduct an occupational and residential exposure assessment, as needed, to estimate the risk to human health that will result from the currently registered uses of thiamethoxam in support of registration

review for the chemical. This memorandum serves as HED's assessment of the occupational and residential exposure and risk from existing uses of thiamethoxam.

This document has been revised to reflect updates based on comments received during the public comment process. It supersedes D441143.

It is HED policy to use the best available data to assess exposure. Several sources of generic data were used in this assessment as surrogate data in the absence of chemical-specific data, including: Pesticide Handlers Exposure Database Version 1.1 (PHED 1.1); the Agricultural Handler Exposure Task Force (AHETF) database; the Outdoor Residential Exposure Task Force (ORETF) database; the Agricultural Reentry Task Force (ARTF) database; proprietary studies (MRIDs 45200002, 41054701, 44739301, 44339801, 45250702, 45167201); the Residential Standard Operating Procedures (SOPs) (indoor environments, gardens and trees, and lawns and turf); and ExpoSAC Policy 14, 15, and 15.1 (SOPs for Seed Treatment). This assessment also incorporates phase 2 of the AHETF seed treatment survey (MRID 49185401). Some of these data are proprietary, and subject to the data protection provisions of the *Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)*.

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